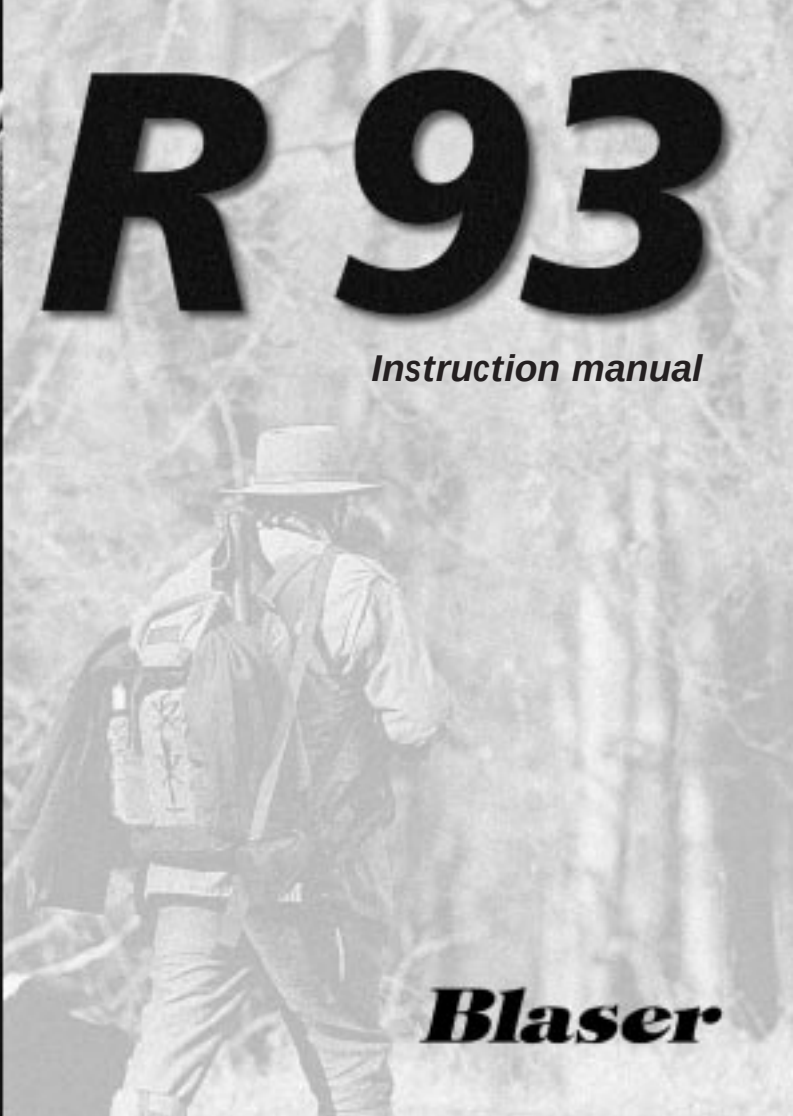
R 93

Instruction manual



Blaser

Caution !

Please always read this instruction manual entirely, before using the rifle. The rifle may only be passed on together with this instruction manual.

As a supporting measure to this instruction manual, please ask your dealer to explain your rifle to you in detail and let him instruct you about its use.

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Safety rules

Your new Blaser bolt action rifle model R 93 differs from other repeaters through a number of special design features. Although your Blaser firearm exhibits additional safety features, do not forget that you must take care when handling firearms and also observe the statutory regulations.
First of all, check you have the right user manual: the model name R 93 and caliber can be found on the left side of the barrel at the rear.

General safety rules for handling firearms

- Make sure the firearm and ammunition never get into unauthorized hands.

- Always store firearm and ammunition under lock and key in separate cabinets that are not accessible to unauthorized persons.

- Observe current statutory regulations for the carrying and safekeeping of firearms and ammunition.

- Make sure you are thoroughly familiar with how to handle your firearm and, with the firearm unloaded, practice all of the functions and the actions you will need to make, before you carry it.

- Always treat any firearm as loaded and ready to shoot. If you are not certain of its status, check by opening the bolt and looking in the magazine and cartridge chamber (barrel). You should handle an unloaded firearm in the same way as a loaded one.

Safety rules

- Whenever holding the rifle, always point the muzzle in a safe direction to ensure you neither injure people nor damage property.

- Before loading, check the barrel for obstructions and make sure no foreign matter (water, snow, soil) can get into the barrel after loading, too.

- Only use CIP-approved ammunition which is in good condition and check that the ammunition is correct for the caliber of the rifle. Wrongly re-loaded ammunition can damage your rifle and cause serious injury.

- Do not load your rifle until just before you fire it.

- Do not cock your rifle (take off safety) until you are ready to fire. When cocking (taking off safety), point the muzzle in a safe direction.

- Before making each shot, check the terrain in front of and behind the target.

- Aim your rifle only at targets you have definitely identified.

- Keep your finger away from the trigger unless you wish to fire the rifle.

- If a cartridge fails, wait approximately 60 seconds before opening the breech to avoid danger from a cartridge that may be late firing.

- Always wear ear defenders when firing (ear plugs).

Unload your gun

- before negotiating obstacles

- before climbing into or leaving raised blinds

- before entering a building

- before climbing into a vehicle

- before entering a town or village

- if you temporarily put the rifle down or hand it to someone.

1. Assembling, taking down

fig. 1

fig. 2

fig. 3

1.1 Assembling

- Remove the large allen key (SW 4) from its pocket in the shipping carton. With the barrel screw studs pointing down, insert the barrel into the receiver **(fig. 1).**
- Then, insert the allen key into the holes on the bottom of the fore-end and tighten the two allen screws equally locking the barrel and receiver together **(fig. 2).** Do not use any extension tools on the allen key to tighten screws. Good hand tightness is sufficient.
- Drop the magazine into the receiver with the magazine lips upwards **(fig. 3).**

fig. 4

- Push the magazine down to the bottom of the receiver - with your thumb - and hold! **(fig. 4).**

- Place both bolt rails parallel on the rear end of the receiver and insert the bolt by sliding the bolt rails forward. Push forward on the bolt handle until the bolt is closed completely.

- To remove the bolt, magazine and barrel read chapter 6 and 7 of instructions.

WARNING:
Always make sure the bolt handle is locked in the back position when installing the bolt assembly, i.e. at an angle of approx. 45°. If the bolt handle is close to vertical, you cannot mount the bolt assembly. Pull the bolt handle back until it engages in the 45° position.

WARNING:
When assembling the rifle, ensure that the barrel, bolt and magazine all match and are of the correct caliber.

1.2 Taking down

- Push the safety slide forward slightly with the thumb (approx. 1/16“), simultaneously pulling the bolt handle back with forefinger and middle finger (unlocking - **fig. 9).**
  Then pull the bolt all the way straight back.

- Unload the rifle (see chapter 5).

- Push down and hold the bolt stop pin **(fig. 10)** simultaneously withdrawing the bolt assembly with the other hand.

- With the 4 mm AF allen key supplied, undo the two barrel attachment screws.

- Remove the barrel.

2. Safety system and bolt handle lock

2.1 Safety system

The safety system of the Blaser R 93 bolt action rifle is centered on the uncocked firing spring: you operate the safety slide to cock the firing spring just before firing the rifle or to release it again. When repeating, it remains cocked. With the safety slide released, the bolt handle is simultaneously locked to prevent accidental opening of the bolt when carrying the rifle, provided this was fully closed.

WARNING:
When cocking and uncocking, keep your fingers off the trigger (unlike firearms with a hammer which you may be used to). In the case of a Blaser rifle, this will discharge a shot!

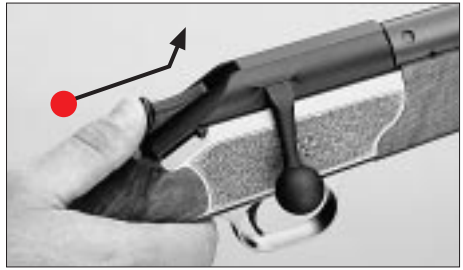


fig. 5

2.2 Cocking (taking off safety)

- Press your thumb right into the ribbed finger recess.

- Slide the safety slide forwards firmly with the thumb as far as the stop and lift off the thumb to allow the slide to engage in the cocked position **(fig. 5).**

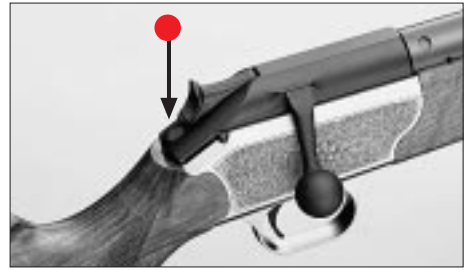


fig. 6

You should see a red warning dot behind the slide to indicate the „Off safe“ position **(fig. 6).**

2. Safety system and bolt handle lock

fig. 7

2.3 Uncocking
(»breech in safe position«)

- Press with your thumb firmly on the safety slide towards the front/bottom position (unlock - **fig. 7)** and let it slide back into its original position **(fig. 8).**

fig. 8

2.4 Bolt handle lock

Prevents accidental opening of the bolt. It is automatically activated when the rifle is uncocked and fully locked.

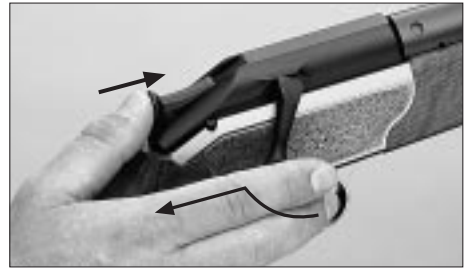


fig. 9

2.5 In the „On Safe“ position the bolt handle is locked

- To open the bolt (for loading and unloading) in the „On Safe“ position, push the safety slide with your thumb 1/16" forward, hold and simultaneously pull bolt handle backwards **(fig. 9)**, then open bolt all the way.

3. Loading the rifle

- Pull back the slide („On safe“)
- Open the bolt (see chapter 2.5)
- Place a cartridge onto the magazine and press firmly downwards - with the thumbs if necessary - so that it snaps through the magazine lips.

  Capacity of magazine: 3 cartridges.
  Exceptions are as follows:

Caliber group		
Mini	=	4 cartridges
Ultra Magnum	=	2 cartridges
Swiss	=	single shot
Shotgun	=	single shot
Hornet	=	single shot

- Should you wish, you can insert a further cartridge in the chamber by hand.
- Press down the cartridges in the magazine with the thumb and push the bolt handle forward all the way with the other hand until it locks.

CHECK THAT:
The red dot is not visible, bolt handle is all the way forward. The rifle is now loaded, uncocked and locked to prevent accidental opening.

4. Firing and repeating

- Cock the rifle by pushing the safety slide forward with the thumb (take off safety - see chapter 2.2).

- Sight the target and fire.

- Repeating: Pull back the bolt as far as the bolt stop allows and then push it forward again.

IMPORTANT:
If the bolt handle is not in its most forward position, the rifle will not fire for safety reasons.

Should you wish to reload for a repeat shot very quietly, push the bolt with the thumb more at the top of the bolt handle, pressing the ball of the bolt handle forwards with the ball of the thumb.

WARNING:
When the safety slide is locked in the forward position the rifle is cocked automatically with each reload action. When you do not want to fire any more, you simply move the safety slide immediately backwards (safety on).

WARNING:
Always wait until you are ready to fire before cocking the rifle. If, after firing, the rifle is cocked again when you are not yet ready to shoot, simply uncock the rifle by moving the safety slide back (safety on).

5. Unloading the rifle

- Remove your finger from the trigger and point the rifle in a safe direction.

- Move the safety slide in the „On Safe“ position (as in chapter 2.3)

- To remove cartridge from chamber, push the safety slide 1/16" forward with your thumb, hold and pull bolt handle backwards, then open bolt slowly until the cartridge can be grasped with the fingers before it clears the receiver.

- Remove the cartridge from the firearm.

- With the bolt open, point rifle barrel upwards. With your finger push the cartridge in the magazine forward until it snaps out of the magazine lips, then remove cartridge from the receiver. Repeat procedure until magazine and chamber are empty.

Warning:
Make sure there are no cartridges left in the chamber or magazine.

6. Removing and replacing the bolt assembly

fig. 10

6.1 Removing the bolt assembly

- Unload the rifle (see chapter 5).

- Pull the bolt assembly all the way back.

- Push down and hold the bolt stop pin **(fig. 10)** and simultaneously withdraw the bolt assembly backwards with the other hand.

Note: A number of short-case calibers (.222 Rem., .22-250, .243 Win., 6x62 Frères, 6.5x55, 6.5x57, 7x57, 7.5x55, .308 Win. and 8x57 IS) have a moving bolt stop integrated into the magazine on the right hand side. To remove the bolt assembly from the rifle if you are using one of the above calibers:

- Press the right magazine lip inwards. This puts the short-case bolt stop out of operation.

- Pull the bolt backwards until the normal bolt stop takes effect.

- Then press in and hold the bolt stop pin **(fig. 10)** and simultaneously withdraw the bolt assembly backwards with the other hand.

6.2 Installing the bolt assembly

- Push the magazine down to the bottom of the receiver and hold it there.

- Carefully position the ends of the two slide rails onto the rear end of the receiver in line with the bolt guide.

- Push the bolt assembly forward to fit into the guide on the receiver.

- Do not use force when doing this! If the bolt assembly does not slide on smoothly, try again taking more care.

7. Changing the barrel

There are 8 caliber groups available (see table on page 42). When changing the barrel to a different caliber group, you will also have to change the bolt head to suit the caliber group of the barrel you have chosen to use. The table on page 42 shows the correct components to be used together. In addition, bolt heads and barrels are stamped with markings which identify the caliber group **(fig. 11)**. Take a final check that these markings match after the rifle is assembled.

Caliber group markings:

Hornet	Marking **HO**
Mini	Marking **MI**
Standard	Marking **ST**
Medium	Marking **ME**
Magnum	Marking **MA**
Ultra Magnum	Marking **UM**
Swiss	Marking **CH**
Shotgun	Marking **28**

Make sure you also use the correct magazine to match the caliber of the barrel. The caliber marking can be found on the side of the magazine.

Note: Single-shot inserts are supplied with barrels in the calibers .22 Hornet, 28/70 and 10.3x60R. Magazines are not available for these.

Changing the barrel:

- Unload the rifle (see chapter 5).
- Remove the bolt assembly (see chapter 6.1).
- Remove the magazine (remove the scope if fitted, see chapter 12.2 or 13.2 as appropriate).
- Fully undo both attachment screws with the 4 mm AF allen key, these are captive so cannot be lost.
- Lift the barrel out of the receiver.
- Place the new barrel in the bed of the receiver.
- Tighten both barrel attachment screws hand-tight with the allen key.

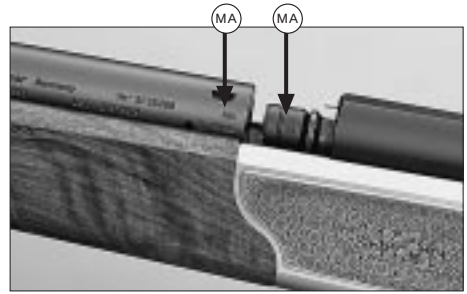


fig. 11

- Insert a magazine matching the caliber of the barrel into the magazine housing.
- Check that the marking stamped on the bolt head (HO, MI, ST, ME, MA, UM, CH, 28, see chapter 7 and **fig. 11)** matches the caliber group of the barrel.
- If you have to change the bolt head in the bolt assembly, see chapter 8.

Note:
Always keep the barrel bedding clean. Excessive oil or grease between the barrel and receiver will impair the accuracy of the rifle.

8. Changing the bolt head

fig. 12

fig. 13

fig. 14

8.1 Changing the bolt head

It is advisable to have this operation explained by your gunsmith.

- Unload the rifle (see chapter 5).
- Remove the bolt assembly from the rifle (see chapter 6.1).
- Place bolt assembly upside down on a flat surface.
- With a small screwdriver or similar tool push the retaining latch to the left side and up **(fig. 12)**.
- Grasp the retaining latch with thumb and forefinger and push to the left. With your other hand pull the bolt head out of the bolt assembly **(fig. 13)**.

8.2 Installing the bolt head

- Grip the new bolt head to be installed and line up the two grooves of the expanding shell and bolt head by turning them in relation to each other **(fig. 14).**
- Lift the retaining latch in the bolt housing.
- Now insert the bolt head with the groove facing exactly upwards into the bolt housing over the firing pin as far as the stop and hold it there.

8. Changing the bolt head

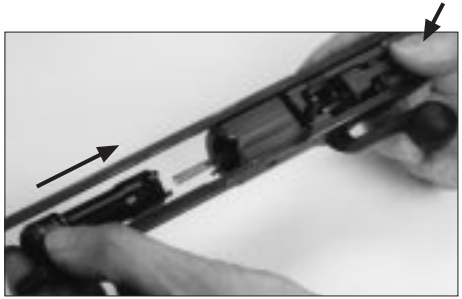


fig. 15

Note: To make this process easier, jiggle the firing mechanism up and down with the thumb of the other hand **(fig. 15)**.

fig. 16

- Flip the retaining latch down again and push it back into its recess so that it snaps into position **(fig. 16).**

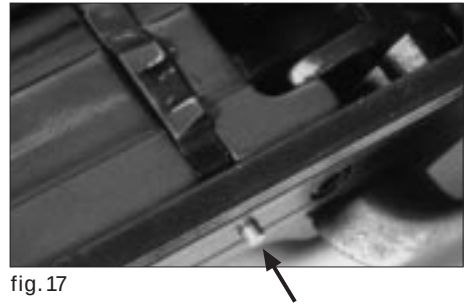


fig. 17

Warning: If the retaining latch is not in the correct position, a warning pin will project from the outside of the rail **(fig. 17).**

8. Changing the bolt head

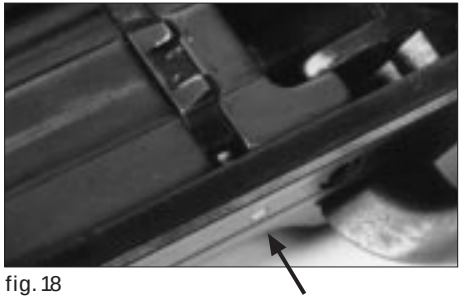


fig. 18

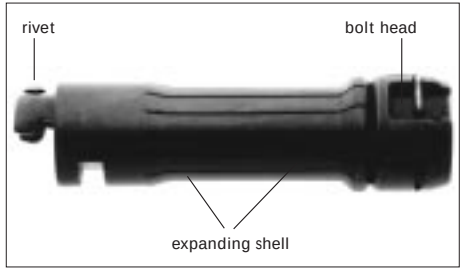


fig. 19

The bolt assembly can only be inserted in the receiver when the warning pin is flush in the bolt rail **(fig. 18)**, indicating that the retaining latch is seated correctly.

Note: Bolt heads for left-hand bolts are stamped »L« below the caliber group marking.

Warning:
The bolt head assembly consists of two major parts: The bolt head and the surrounding expanding shell.
These two parts are bound together by a rivet **(fig. 19)**. It is strictly forbidden to loosen that rivet!
Firing the rifle with the expanding shell removed, will inevitably cause the blow-out of the bolt head assembly and injury or death to the shooter or bystanders!

9. Removing / changing the fore-end

fig. 20

The Safari and Match versions of the Blaser R 93 repeating rifle have a special, wide fore-end. Therefore, should you wish to fit a Safari or Match barrel to the R 93 basic version, you will have to change the fore-end.

Removing or changing the fore-end:

- Unload rifle (as in chapter 5).
- Use allen key (SW4) to unscrew the two barrel attachment screws holding barrel and receiver together.
- Lift off the barrel.
- Using the long allen key (SW4) to unscrew fore-end screw **(fig. 20).**
- Pull the fore-end off.
- To assemble the fore-end reverse above instructions.
- Ensure that the spacer is in the correct position.

10. Trigger assembly

The Blaser R 93 bolt action rifle is equipped with a light and crisp trigger. The trigger resistance is adjusted at the factory to virtually the lightest setting allowable under international safety standards. The setting can and may only be altered by the factory or by your authorized Blaser dealer following factory instructions.

11. Open sights
(adjustable)

11.1 Front sight for height adjustment

- Insert the 1.5 mm AF allen key in the hole of the mounting saddle in front of the sight and turn the allen screw in the appropriate direction:

- Front sight (spring-loaded)
  screw out = point of impact lower
  screw in = point of impact higher

11.2 Rear sight (notch) for side adjustment

- The sight has holes left and right for a 1.5 mm allen key.

- **To alter the point of impact to the left**
  Undo the right stud screw, screw in the left stud screw.

- **To alter the point of impact to the right**
  Undo the left stud screw, screw in the right stud screw.

  Screw the stud screws in with sensitivity.

12. Mounting the telescopic sight

The R 93 barrels are equipped with notches to accept Blaser QD scope mount bases for 1“, 26 mm or 30 mm rings or rail or Zeiss ZM rail. It is assumed that an authorized dealer has fitted your scope correctly to match the barrel.

12.1 Mounting the scope

- Flip open the covers of the front and rear locking lever, then thumb these fully up and forward.
- Take the center tube of the scope in your right hand and hold it so that you can reach the front lever with your thumb **(fig. 21).**
- Grasp the stock with your left hand and steady the stock against your upper thigh.
- Carefully locate the two round locating pins of the scope mount in the oval notches milled into the top right of the barrel. Tilt scope to the left and hold it in that position.
- First thumb the front lever **(fig. 22)** then the rear lever back and down as far as they can go. If you need to apply either no force or a lot of force when doing this, then the mount is adjusted wrongly. In either case, get your authorized dealer to adjust it to the factory specifications. The force required to close the locking levers should be about the same as that of the safety slide.
- Now close the covers of both locking levers.

Make sure the mounting faces are clean and free of grease!

12.2 Removing the scope

- Grasp the fore-end with the left hand and steady the rifle on your upper thigh.
- Flip open the covers of the two locking levers.
- First release the rear locking lever by thumbing it forwards as far as it can go.
- Grasp the center tube of the scope mount with the right hand.
- Now release the front locking lever by thumbing it forwards and upwards as far as it can go.
- Remove the scope upwards and to the right.

fig. 21

fig. 22

13. Mounting the fixed scope mount

13.1 Mounting the scope

- Loosen the two screws on the side of the mount a few turns with an 1/8“ allen key.

- Grasp the centre tube of the scope with the right hand above the mount.

- Hold the fore-end of the rifle with your left hand and steady the stock against your upper thigh.

- Carefully locate the two round locating pins of the scope mount in the oval notches milled into the top right of the barrel. Tilt scope to the left and hold it in that position.

- Tighten the two screws on the side of the mount hand tight with an 1/8“ allen key.

Make sure the mounting faces are clean and free of grease!

13.2 Removing the scope

- Grasp the rifle with your left hand around the fore-end and scope, steadying the rifle on your upper thigh.

- Loosen the two screws on the side of the mount a few turns with an 1/8“ allen key.

- Remove the scope.

14. Caliber group table

Hornet „HO“:	Mini „MI“:	Standard „ST“:	Medium „ME“:	Magnum „MA“:	Ultra Magnum „UM“:	Swiss „CH“:	Shotgun „28“:
.22 Hornet	.222 Rem. .222 Rem. Mag.	.22-250 5,6x57 .243 Win. 6 mm Rem. 6x62 Frères .25-06 6,5x55 6,5x57 6,5x65 RWS .270 Win. .280 Rem. 7x57 7x64 .308 Win. .30-06 8x57 IS 9,3x62	6,5x68 7,5x55 8x68 S 9,3x64	.257 Weath. Mag. .264 Win. Mag. 7 mm Rem. Mag. .300 Win. Mag. .300 Weath. Mag. .338 Win. Mag. .375 H & H .416 Rem. Mag.	.300 Rem. Ultra Mag.	10,3x60 R	28/70

Some of the listed calibers may not be available.

15. Case

The R 93 together with extra barrel, 2 scopes and accessories for travelling is securely stowed in a double-shell ABS carrying case with 3 locks.

16. Care and maintenance

Always make sure you use suitable materials that are intended for the purpose of cleaning rifles.

Barrels:
After firing, prior to storing for long periods and after carrying the rifle, treat barrels and cartridge chamber with suitable gun oil, particularly when conditions are damp or wet. Make sure you thoroughly remove excess oil from barrels and cartridge chamber before firing. With a heavy build-up of cartridge deposits, we recommend treating these parts with chemical barrel cleaners.

WARNING:
Make sure you read and adhere to the instructions and warnings given by the manufacturer of the cleaning agent.

Metal parts:
Always keep all metal parts of the rifle clean and lightly oiled.

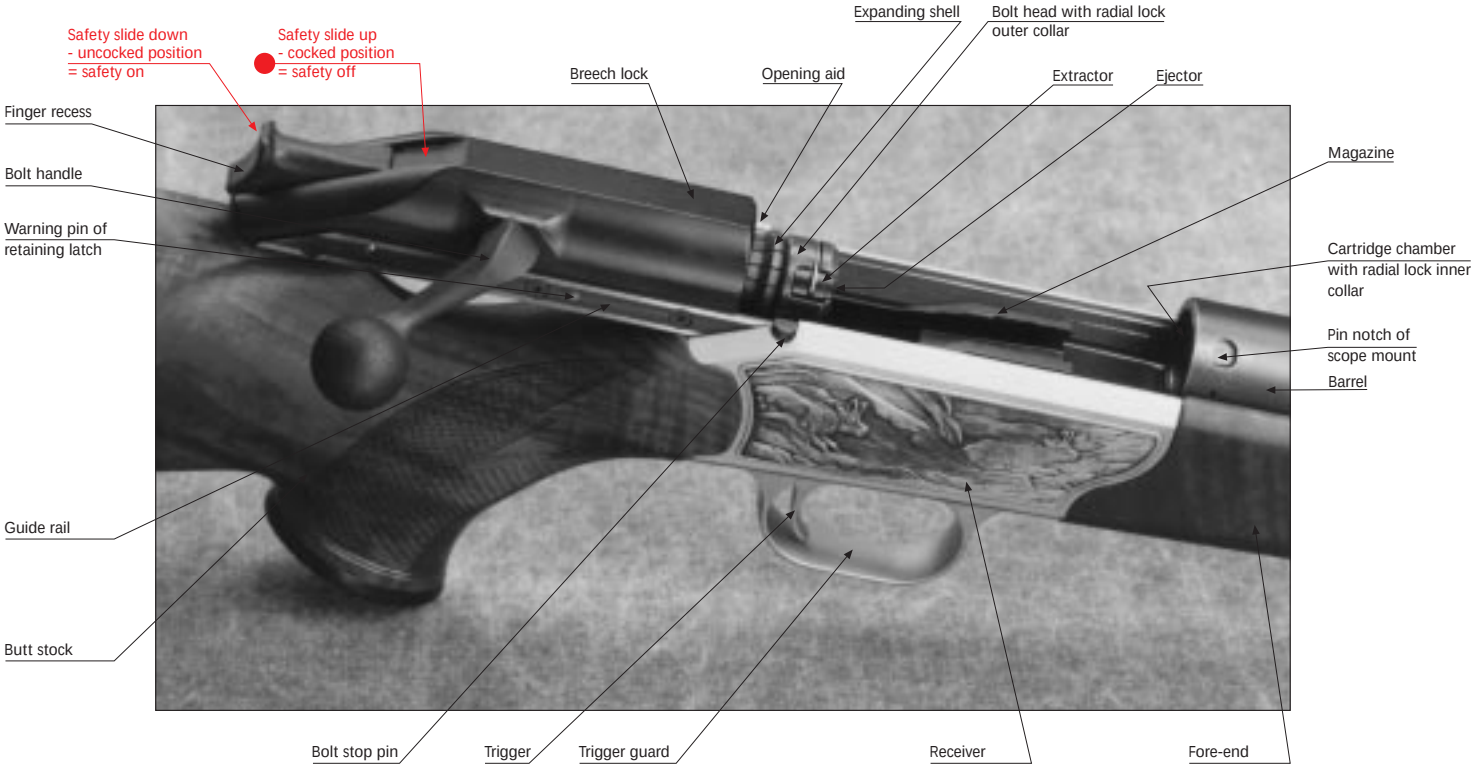
Stock:
The wooden stocks of all Blaser hunting rifles have an oil finish. We recommend regular treatment with a good quality stock oil or wax.
Gun oil is unsuitable for stock care!

Optics:
Refer to the service instructions of the manufacturer.

Maintenance:
Take your rifle to your gun dealer for examination and maintenance before the hunting season and before hunting trips. Like your automobile, your rifle is an item of equipment that needs regular maintenance and inspection.

17. Operating and functional parts of the bolt assembly

R 93



18. Warranty conditions

1. Manufacturer's warranty

The warranty of Blaser Jagdwaffen GmbH supplements the statutory warranty rights through the dealer, under the condition that the accompanying warranty card is received at Blaser Jagdwaffen GmbH fully completed within ten days of the purchase date. The warranty applies only to the original purchaser who resides in the country of purchase.

The warranty relates exclusively to the metal and synthetic parts of the gun and to original Blaser scope mounts, but not to the sight optics. Wooden parts require special care and as a natural product are subject to natural changes which rule out a warranty for them.

The warranty period is ten years and starts on the purchase date. The warranty covers all defects and damage to the rifle (metal and synthetic parts) which are demonstrably due to material or production defects. In such cases, the manufacturer will pay the costs of materials and labor. For the warranty work to be carried out, the rifle is to be handed in to the authorized dealer or to the production company in Isny.

The customer bears the risk and cost of transport of the rifle to and from the dealer or production company. The warranty will be implemented at the manufacturer's option by repair or the replacement of faulty parts, replaced parts become the property of the manufacturer.

2. Warranty on the performance of the bolt assembly

The shooting accuracy of a rifle depends on many factors. The most important factor is the ammunition. Not every barrel will fire equally well with every type of ammunition, there can be considerable performance variations. The sight optics and their mounting are just as important. Parallax, loose graticules, defects in graticule adjustment and incorrect mounting are the most frequently occurring causes for an unsatisfactory shooting performance. For that reason, you are advised to use a branded scope that is mounted by a specialist and to find the best ammunition for your rifle by testing several types. Ammunition of the same make and quality can have a different shooting performance and different point of impact from one production facility to another and from one rifle to another.
With the optimal choice of ammunition, sight optics and mounting, we guarantee the excellent shooting performance of our rifles.
Complaints concerning shooting performance must be made in writing within 20 days of the date of purchase. We reserve the right to pass the rifle for inspection to an independent institute (DEVA or national test firing body). Should this institute confirm that the firearm has an excellent shooting performance, we are entitled to demand payment from the customer for the cost of this.

3. Scope of the warranty

Claims under the warranty do not bring about any extension or renewal of the warranty period either for the rifle or for fitted replacement parts. The warranty period for fitted replacement parts ends with the warranty period for the overall rifle.

The warranty is not valid in the event of:

- Damage due to normal wear and tear, through non-observance of the instruction manual or through improper use or handling and when the rifle shows physical damage of whatever kind.

- Damage due to acts of God or environmental effects.

- Repairs, machining or modifications to the rifle by workshops or other persons not authorized to perform these.

- Use of re-loaded or non-CIP-approved ammunition.

- Burnishing carried out by third parties.

- The warranty is not valid for optical sight devices and scope mountings of manufacturers other than Blaser.

Further or other claims, especially those for compensation for damage arising outside the rifle (i.e. consequential damage) are - provided no liability is enacted by statute - excluded.

Blaser

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